

**FIG. 1**

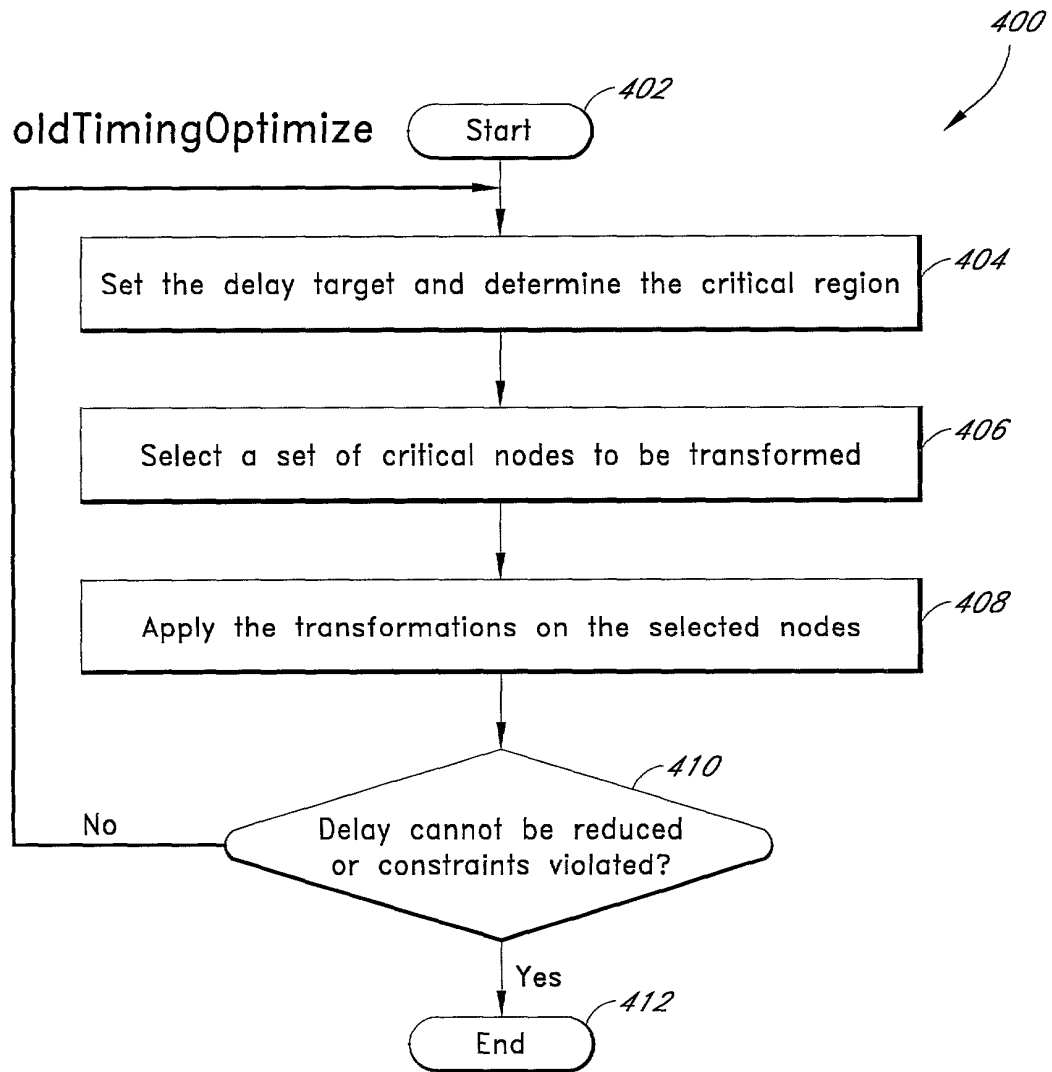


FIG. 2

# Local Transformation

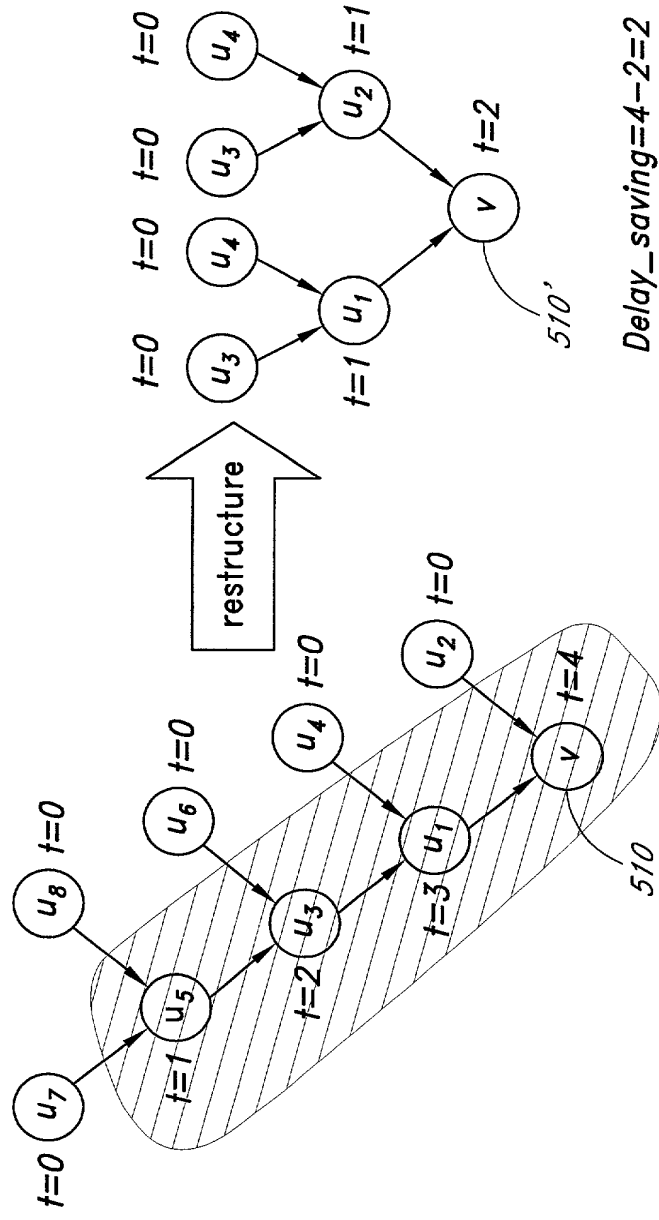


FIG. 3

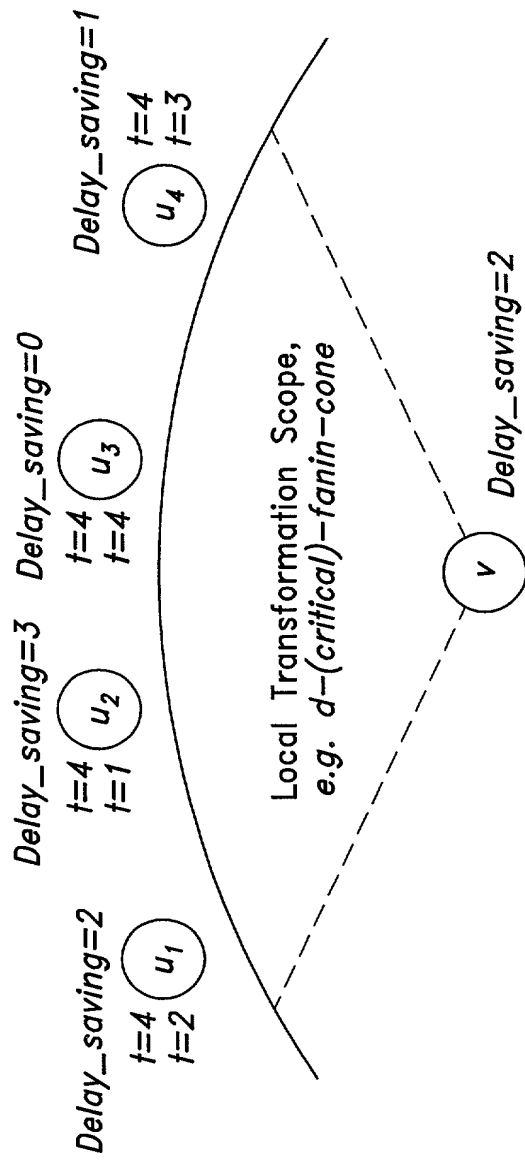


FIG. 4

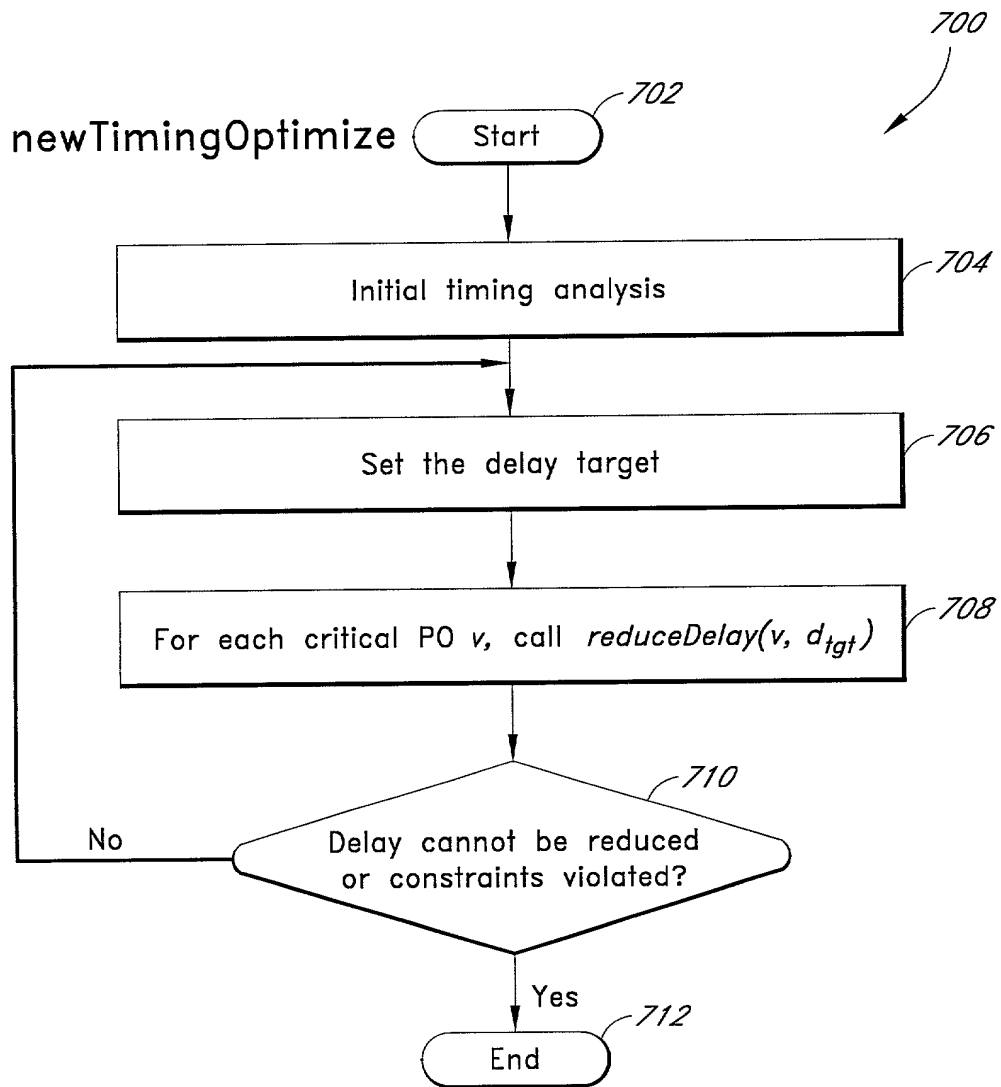


FIG. 5

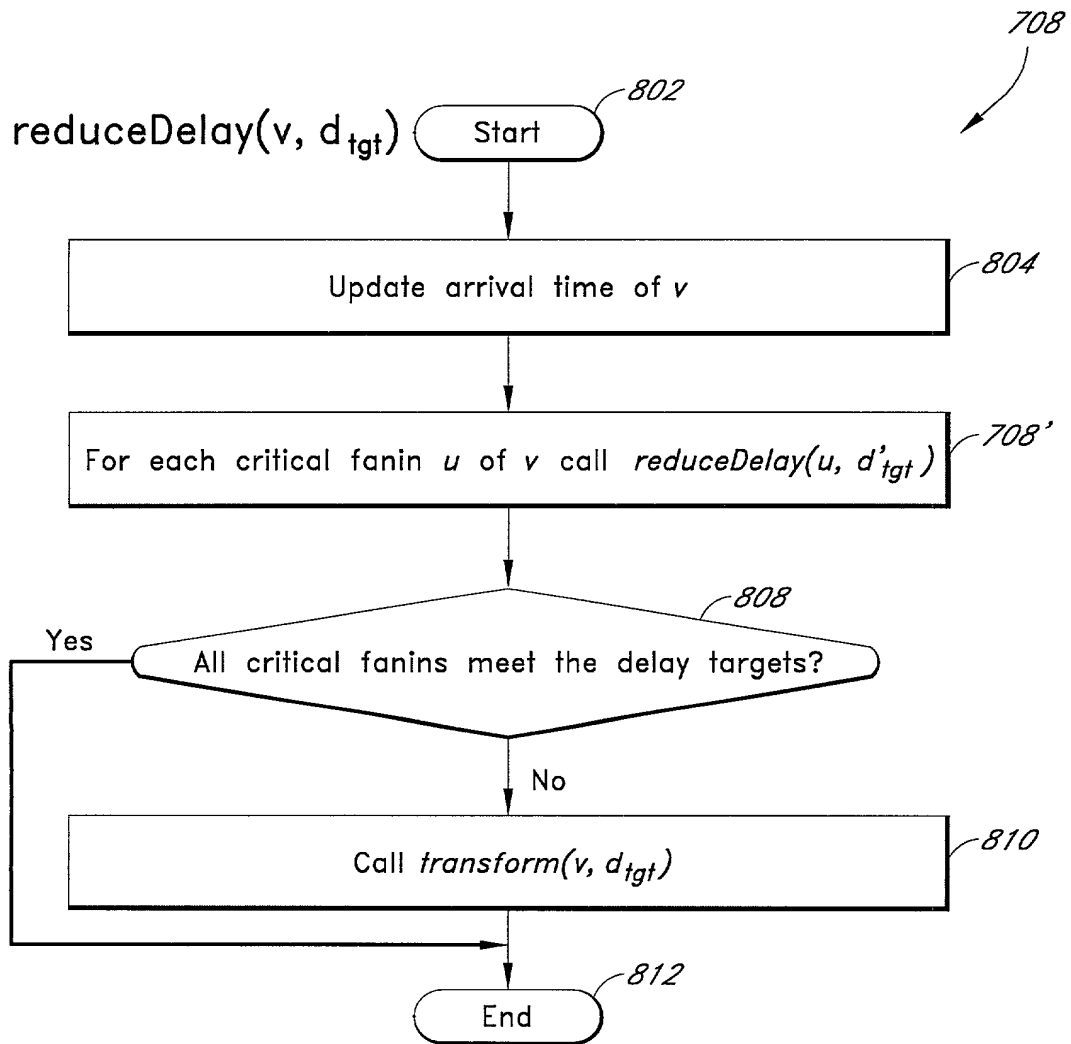


FIG. 6

# Example of Recursive Delay Reduction

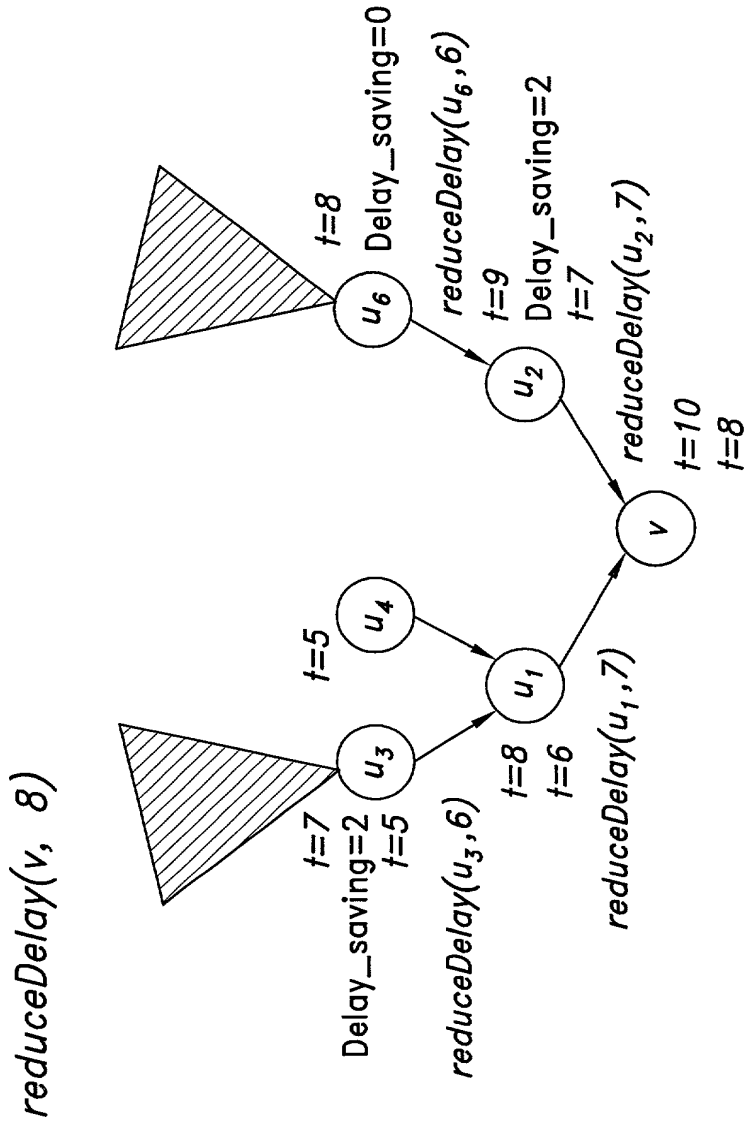
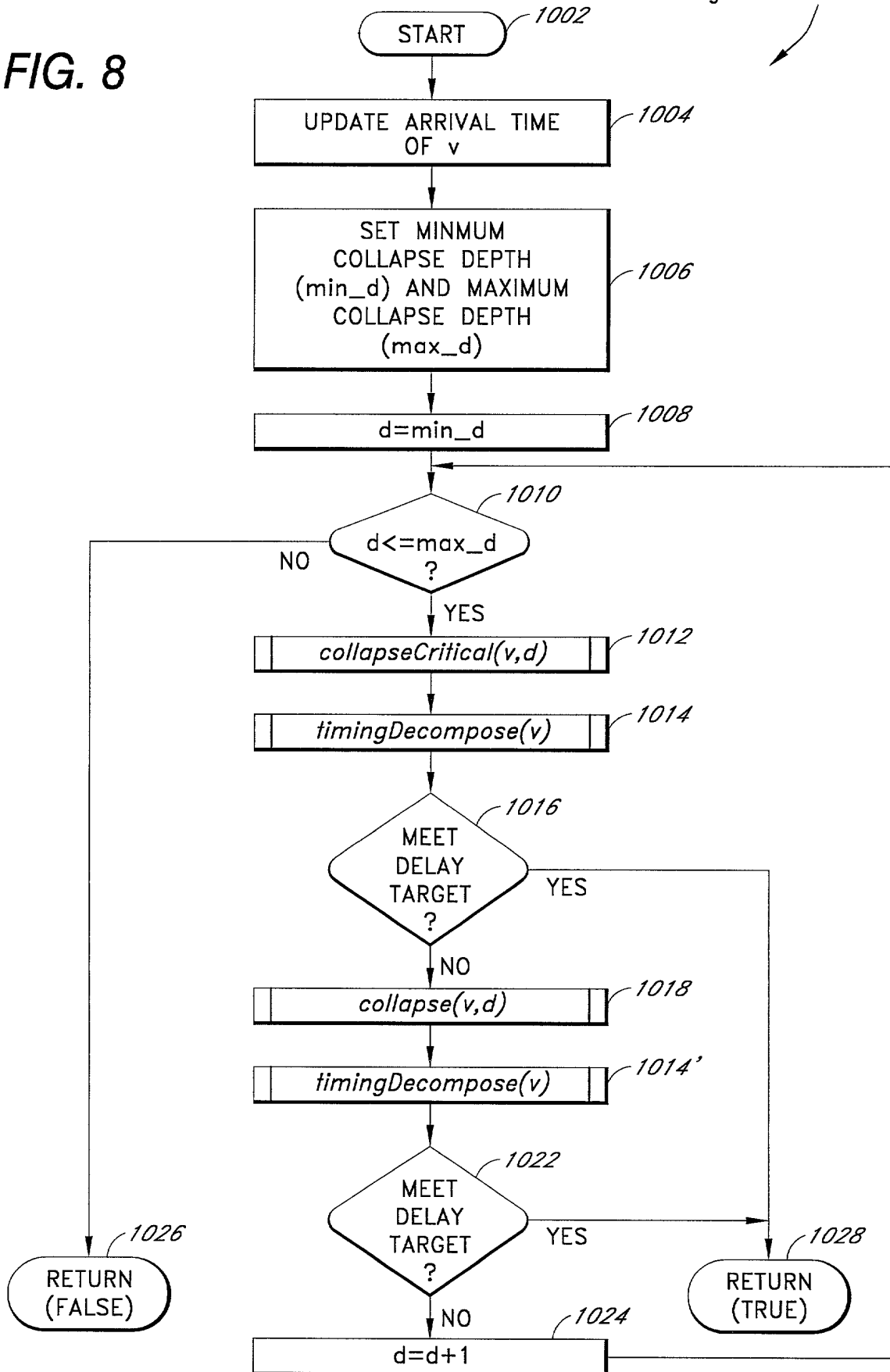


FIG. 7

# LOCAL TRANSFORMATION – $\text{transform}(v, d_{\text{tgt}})$

FIG. 8





## Impact of Timing Optimization

the impact of timing optimization on the subsequent mapping, clustering and layout design

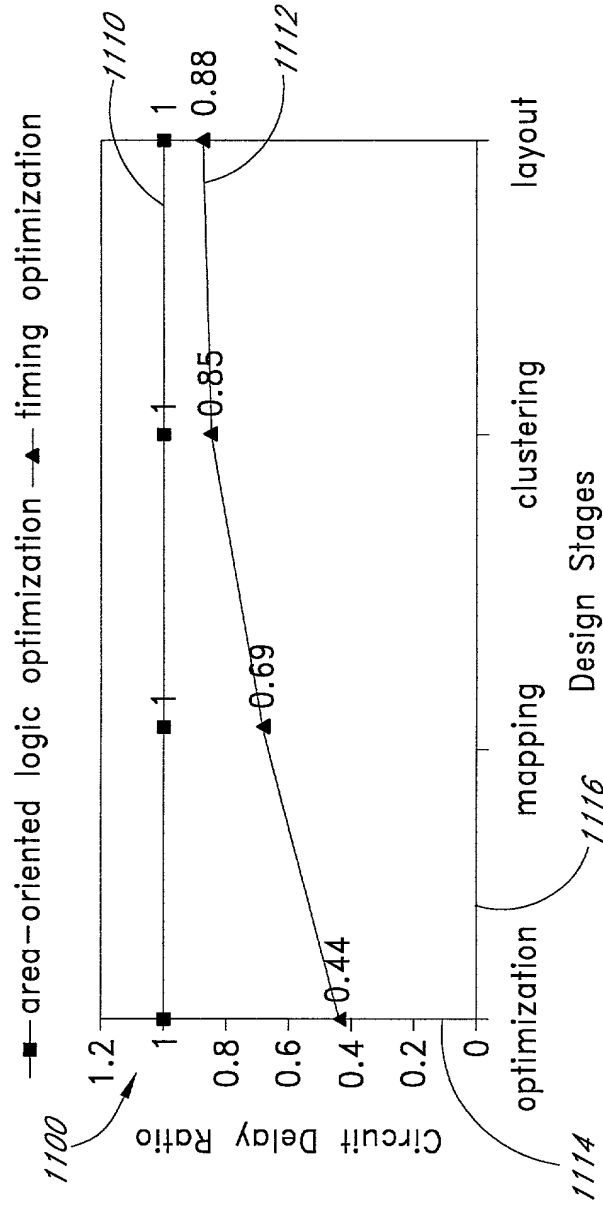


FIG. 9

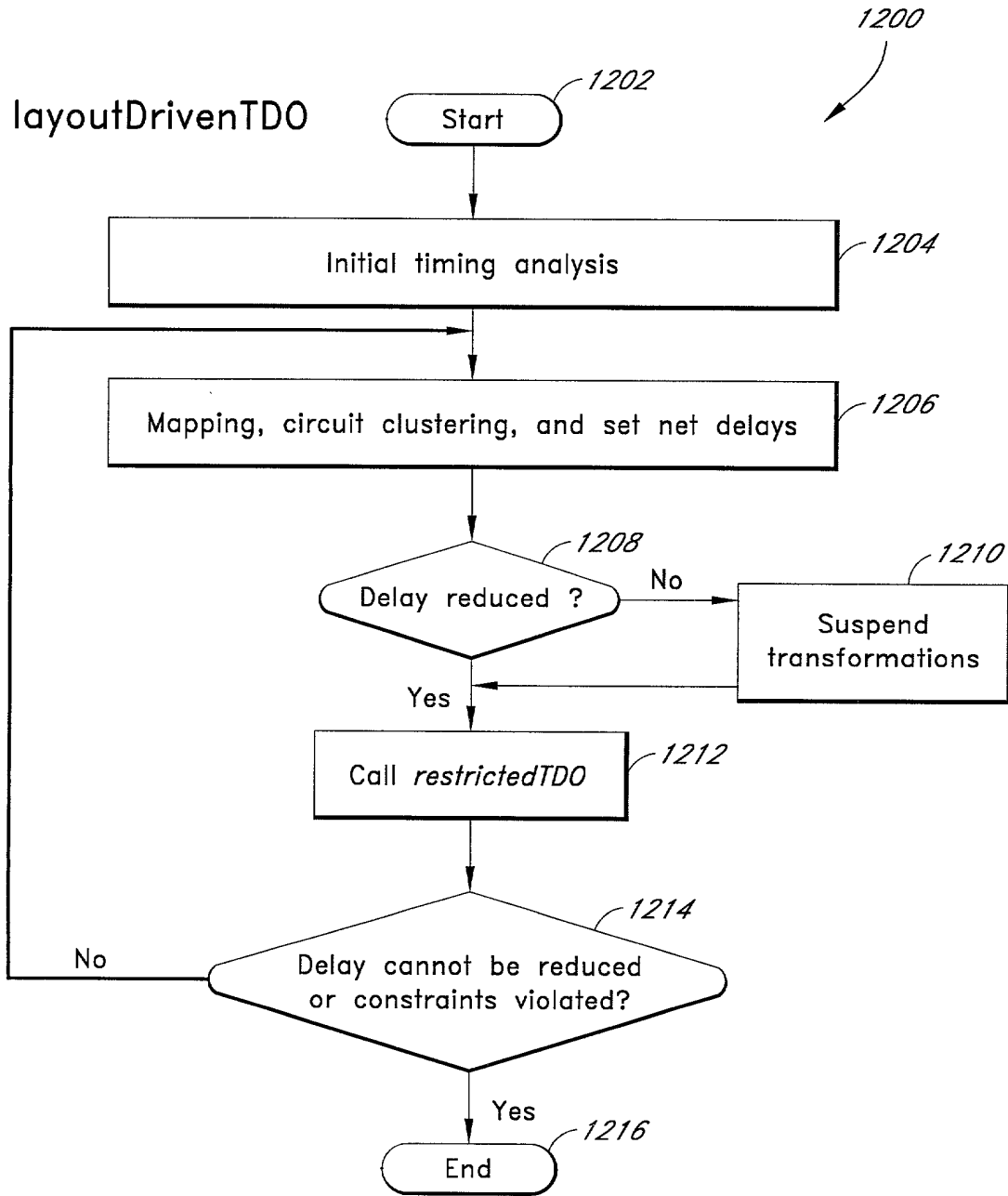


FIG. 10